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September 9, 1988  
C311-88-2106

US Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Dear Sir:

Three Mile Island Nuclear Station, Unit 1 (TMI-1)  
Operating License No. DPR-50  
Docket No. 50-289  
Response to NRC Bulletin 88-05 -  
Nonconforming Material Supplied by PSI and WJM

The following information provides a summary of the actions taken in response to NRC Bulletin 88-05 as of August 3, 1988.

1. We have determined that GPUN has not procured any material directly from PSI or WJM for TMI-1.
2. All known GPUN QA-approved suppliers of fittings and flanges during the specified time frame were contacted by letter and requested to review their records to determine if they had supplied any PSI or WJM material to TMI. The 128 suppliers can be divided into three categories:
  - A. GPUN primary suppliers.
  - B. Suppliers identified in Bulletin 88-05 excluding those identified in Category A.
  - C. GPUN secondary suppliers (small no. of orders)

In Category A, there are seven suppliers. Although responses from two of the suppliers were considered adequate, a spot check of procurement records was performed. For the remaining five suppliers, a 100% review of records was performed.

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The responses received from the thirteen Category B suppliers did not identify any PSI or WJM material supplied. A spot check of the procurement records was underway at the time Supplement 2 was issued. The records of three of the thirteen suppliers have been reviewed.

Category C consists of 108 suppliers with responses from approximately 40% of these received. No WJM or PSI material has been identified as supplied.

The spot checks of the Category B and C records will be completed if the NRC reinstates the requirement to perform reviews.

3. A review of the procurement records for all piping, fittings and flanges for maintenance and modifications performed during the 7R outage was performed. This review covered material procured specifically for the outage as well as stock material used which was procured over the last ten years.

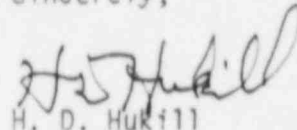
The reviews described in items 2 and 3 have identified forty flanges manufactured by PSI or WJM. The following table is a summary of the application, number and disposition of the flanges.

<u>Application</u>	<u>No.</u>	<u>Disposition</u>
OTSG Blowdown System (Non-safety related)	4 socket-welded flanges 2 blind flanges	Hardness test acceptable on all. Although acceptable, blind flanges were replaced to support the NUMARC program.
River Water Lube System (Non-safety related)	2 carbon steel flanges 2 stainless steel flanges 2 spares (not installed)	Hardness or Non-Magnetic tests acceptable. Use as is.
Hydrogen Recombiner (Safety related)	3 weldneck flanges	Hardness test acceptable. Use as is.
Fire Service System in Turbine Building (Non-safety related)	6 weldneck flanges	Hardness test acceptable. Use as is.
In warehouse	6 - 1 1/2" flanges 11 threaded flanges	Testing completed. Hardness test results are being evaluated.
Withdrawn from warehouse - location unknown.	2 flanges	Confirmed not to be installed in Nuclear Safety - related or important to safety applications by Walkdowns of all NSR/ITS jobs that used stock in question.

Hardness testing was performed using Equotip Hardness Test Equipment in accordance with NUMARC guidelines. If this testing indicated a hardness of less than 137 BHN, confirmatory tests were performed with Newage hardness test equipment. The Newage hardness test equipment measures hardness using penetration/indentation. This method of testing is not as sensitive to mass, vibration, surface roughness or environmental conditions as the Equotip hardness test method. If the confirmatory test indicated a hardness greater than 137 BHN, the material was considered acceptable. All flanges tested were acceptable per ASTM A-105.

We feel we have reasonable assurance that any WJM or PSI flanges that were supplied to TMI-1 have been identified. Those suppliers who had not responded by August 3, 1988 were responsible for a limited number of orders.

Sincerely,



H. D. Hukill  
Vice President & Director, TMI-1

HDH/SMO/her:1229A

cc: R. Herman, USNRC  
R. Conte, USNRC  
W. Russell, USNRC

Sworn and subscribed to  
before me this 9<sup>th</sup> day  
of September, 1988.

Sharon P. Braun  
Notary Public

SHARON P. BRAUN, NOTARY PUBLIC  
MIDDLEBURY 0020, DAVENPORT COUNTY  
MY COMMISSION EXPIRES JUNE 12, 1989  
Member, Professional Association of Notaries